CLAIMS:

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1	1. An audio signal mixing apparatus comprising:	
2	a first plurality of fixed gain amplifiers, each of said first plurality of	
3	fixed gain blocks having an output; and	
4	a second plurality of input nodes, each of said second plurality of input	
5	nodes being associated with a respective input audio signal,	
6	wherein each of said second plurality of inputs nodes being associated	
7	with a respective input audio signal requiring a specified amount of gain are	
8	coupled together and applied to a corresponding at least one of said first	
9	plurality of gain amplifiers, and	
10	wherein each of said outputs of said first plurality of gain amplifiers are	
1 1	coupled together.	
1	2. An audio signal mixing apparatus comprising:	
2	a first plurality of input nodes, each of said input nodes being	
3	associated with an input audio signal;	
4	a first plurality of switches;	
5	a first plurality of gain amplifiers, each of said first plurality of gain	
6	amplifiers having an input and an output, each of said outputs being coupled	
7	together; and	
8	a first plurality of summing nodes, each of said first plurality of	
9	summing nodes being coupled to a respective one of said inputs of said first	
10	plurality of gain amplifiers;	
11	wherein for each of said first plurality of summing nodes, each of said	
1 2	first plurality of input nodes is coupled to said each of said summing nodes	
13	through an associated one of said first plurality of switches.	

- 1 3. The audio signal mixing apparatus of claim 2 wherein each of said first
- 2 plurality of gain amplifiers is a fixed gain amplifier.
- 1 4. The audio signal mixing apparatus of claim 3 wherein each of said first
- 2 plurality of summing nodes is an op amp summing node.
- 1 5. A method of mixing audio signals from a plurality of sources, said
- 2 method comprising the steps of:
 - summing together at least two of said audio signals that require a
- 4 predetermined gain applied;
 - applying the gain using a circuit comprising at least one of a plurality of
 - fixed gain amplifiers to produce a weighted signal; and
 - summing the weighted signal with other signals produced by similar
 - circuits having different gains.